

01799

1995/01/00

(Total)

Global Launch Services Supply and Demand Analysis

U.S. LAUNCH VEHICLES

Category	1995	1996	1997	1998	1999	2000	2001
Pegasus/Taurus/LLV: Requirements Capacity	10 13	7 14	6 16	2 18-22	4 24-28	3 30-34	2 30-34
Delta 2 East Coast: Requirements Capacity	4 (4) 4	5 (5) 8	8 (8) 12	4 (5) 12	6 (7) 12	4 (5) 8	4 (5) 12
Delta 2 West Coast: Requirements Capacity	2 (2) 4	3 (3) 6	5 (5) 6	2 (3) 6	0 (0) 5	3 (3) 4	1 (3) 6
Atlas 1/2/2AS East Coast: Requirements Capacity	10 (10) 8	7 (7) 9	6 (6) 10	2 (2) 10	3 (4) 10	3 (4) 10	0 (2) 10
Atlas 1/2/2AS West Coast: Requirements Capacity	0 0	0 1	0 4	3 4	1 4	2 4	1 (2) 4

NOTE: Only firm and probable requirements are shown for both government and commercial missions. Potential missions in the out-years are not shown. Protected LEO commercial requirements of at least 4 to 5 launches per year from 1997 on are not shown.

Numbers in parentheses represent revised launch projections by DOD for Delta 2/Atlas taking into account further review of "likely" U.S. Government launches.

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*proposition of increasing capacity
not needed. Not a serious opportunity
No off-budget launch for foreign launch vehicles
maximize 41000
Revised Per formal Argonne
submitted 11/18/94*

Category	1995	1996	1997	1998	1999	2000	2001
Ariane 4: Requirements Capacity	14 12	(12) 8 12	5 12	2 10	1 8	7 8	? 8
Ariane 5: Requirements Capacity	0 0	2 4	1 6	1 8 to 10	1 8 to 10	3 8 to 10	? 8 to 10 X
Long March 2E/3B: Requirements Capacity	6 6	4 to 5 6	1 6	1 6	1 6	1 6	1 6
Long March 2C, etc: Requirements Capacity	0 4 to 7	0 to 1 4 to 7	0 4 to 7	3 4 to 7	3 4 to 7	0 4 to 7	0 4 to 7
Proton: Requirements Capacity	16? 13 plus	? 13 plus*	? 13 plus	? 13 plus	? 13 plus	? 13 plus	? 13 plus ...

* Reflects gradual reduction of Ariane 4 capacity
 ** Maximum theoretical (surge) capacity has been estimated at 7 to 8 GEO launches per year
 *** Estimate for nominal capacity using new-built Protons; actual capacity may be higher